Chapter 4. Kardar

[K'] = Re[K]
$$\longrightarrow$$
 { @ Rescale (R) } RoRoI

Renormalize (R)

M(x) : Vector freed.

 $m_i(x)$

$$\boxed{1} \quad m_{i}(x) = \frac{1}{l^{d}} \int_{x' \in X}^{d} m_{i}(x') \longrightarrow S_{i} = \frac{1}{l^{d}} \sum_{i \in I}^{g} S_{i}$$

$$m_i^{\text{New}}(x_{\text{New}}) = m_i^{\text{old}}(x_{\text{old}}) = m_i^{\text{old}}(x_{\text{old}})$$

xt, xh, xn, ... com

Landow - Ginzburg Model

$$Z = \int \overline{D} m(x) e \qquad \text{Model}$$

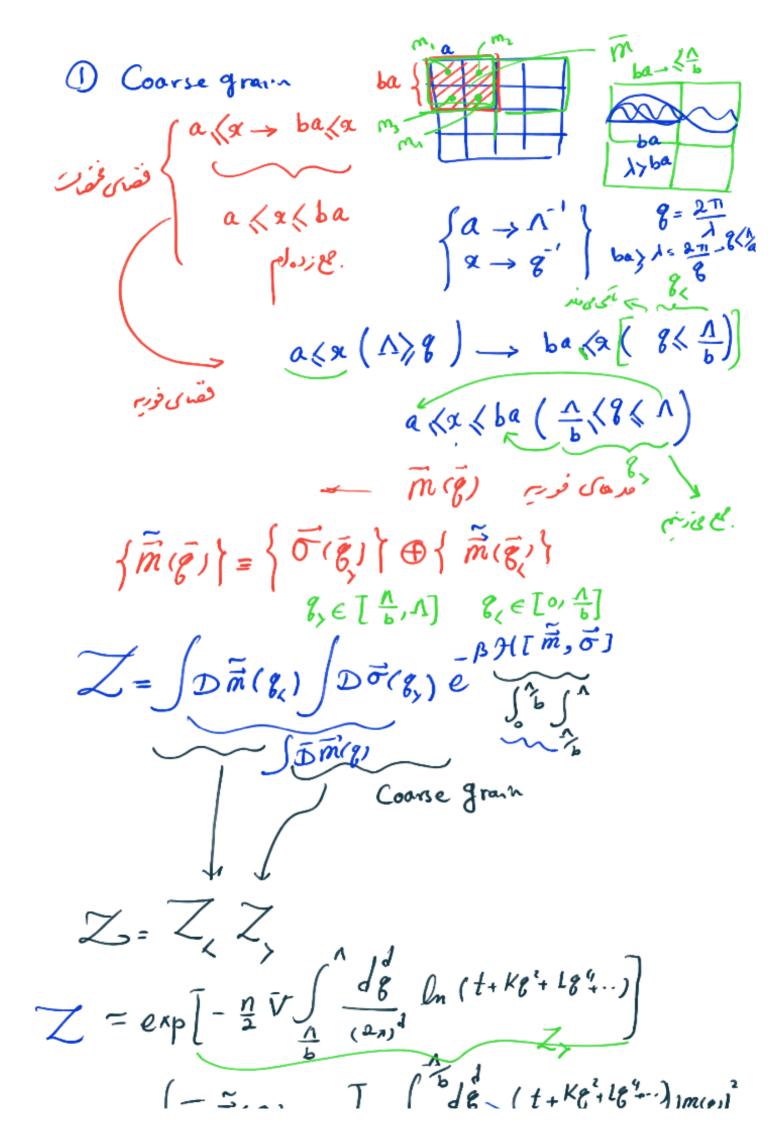
$$Z = \int D m(x) e \qquad \text{Model}$$

$$Z = \int \overline{D} m(x) e \qquad \text{Model}$$

$$Z = \int \overline{$$

 $\frac{g}{g} = \frac{1}{a}$ حادی رفتار کلن استدا^ک $\int \frac{1}{(t_1 h)} = -\frac{\ln Z}{V} = \frac{n}{2} \int \frac{d\xi}{(2\pi)} \int \ln(t_1 k \xi^2 + k \xi^2)$ $f(t,h) = t^{\frac{d}{2}}g_{f}(h_{t^{\Delta}}) = \underbrace{t^{\frac{2-\alpha}{2-\alpha}}g_{f}(h_{t^{\Delta}})}_{A}$ - 3'L ~ t 2-x

Tx2: Gaussian Model Using RG $Z \sim \int \overline{D} \overline{m}(x) e \int \overline{D} \overline{m}(\overline{g}) e x p \left[-\int_{0}^{\Lambda} \frac{d\overline{g}}{(2\pi)^{d}} \right] \left(\frac{t + kg^{2} + lg^{4}}{2} \right) |\overline{m} q p|^{2} + \overline{h} \cdot \overline{m}(g_{2}, 0)$



Zeromalize
$$(x') = x_b - \frac{1}{(2n)^3}$$

Zeromalize $(x') = \frac{1}{(2n)^3}$

کے داریم ۔ نعی اکیہ $\Rightarrow z^2b^{-d-2} = c+s \Rightarrow z = b^{(+d)} z = b^{(+d)}$